

Topic 1

SEMINAR

IP: What You Need to Know & Getting the Facts Rights

Topic 2

Bukti Carian Paten - Dana KPM

Universiti Malaysia Sarawak (UNIMAS)

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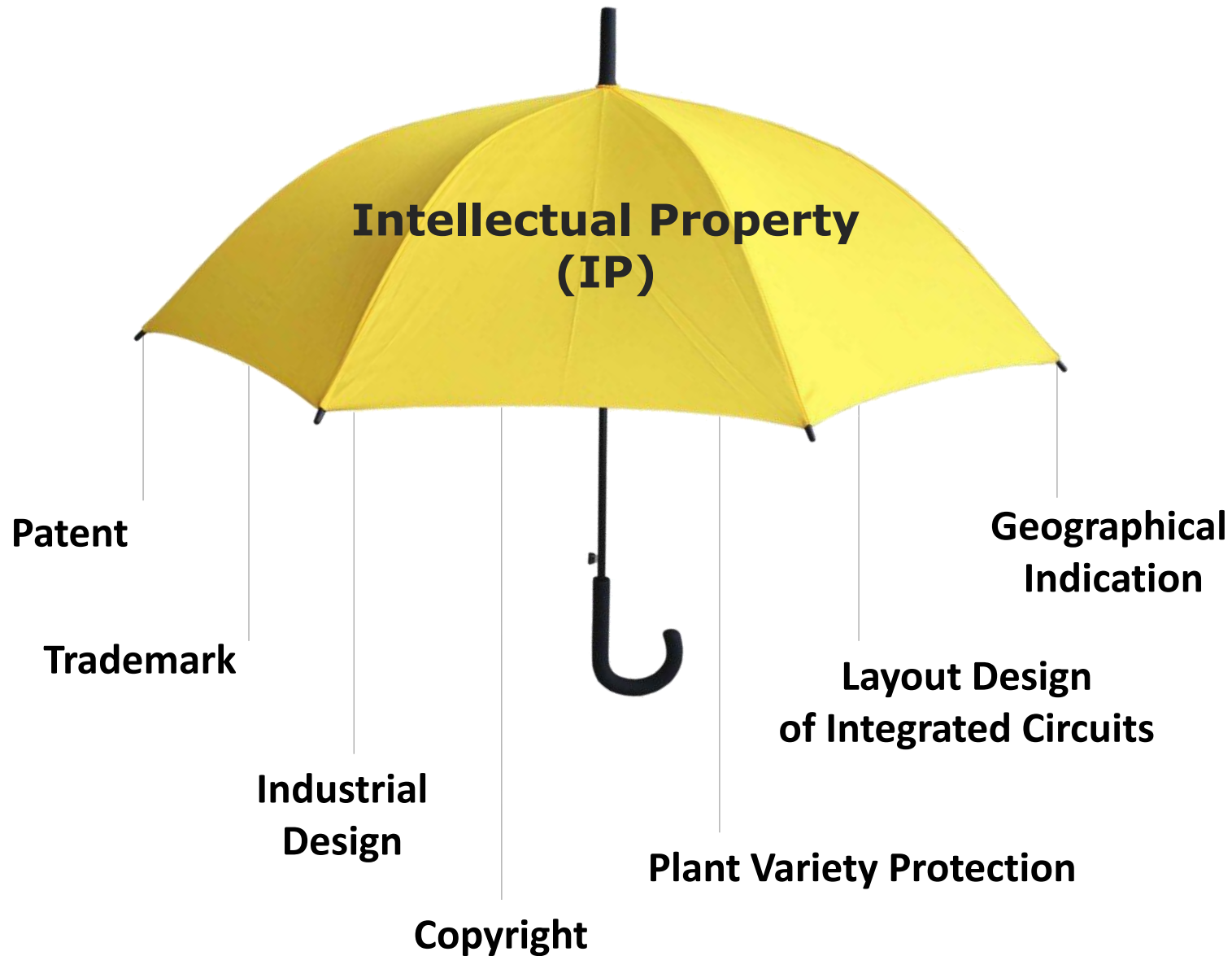
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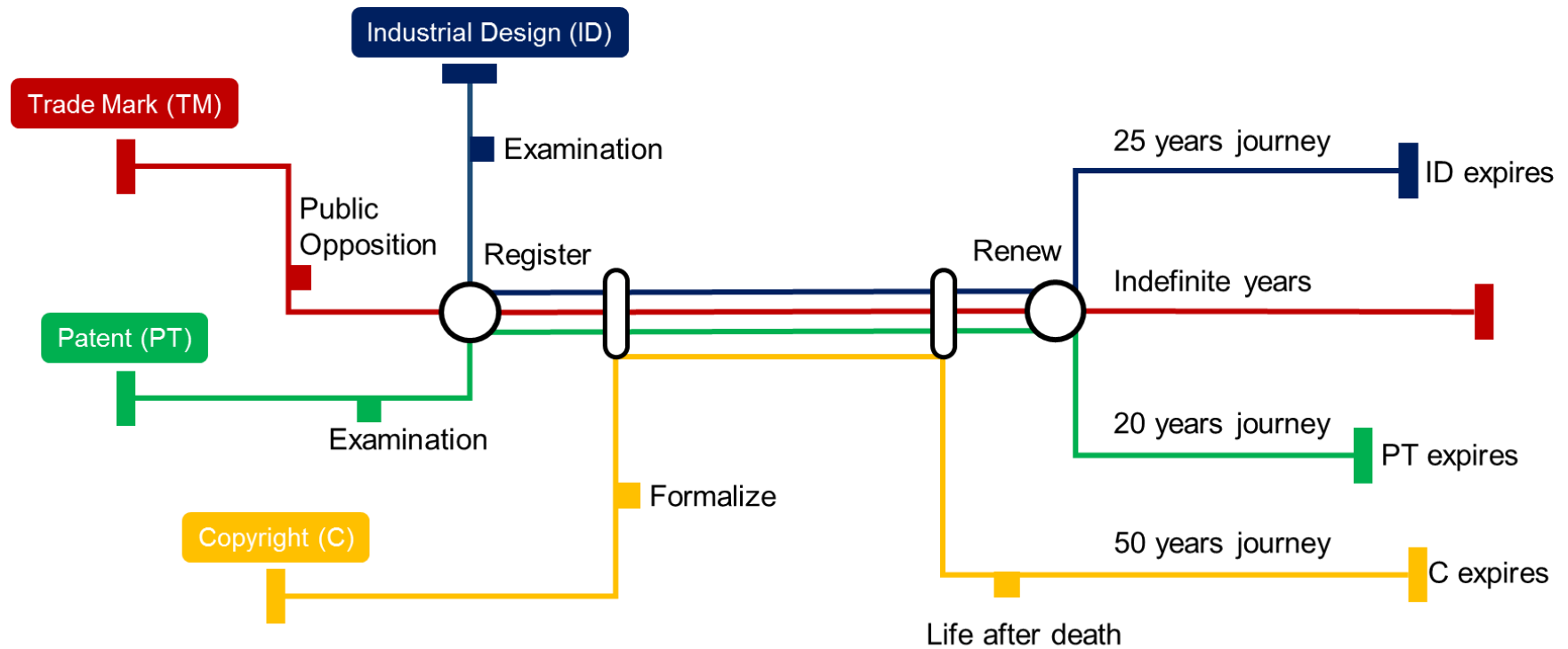
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intellectual property

refers to creations of the mind, such as inventions; literary and artistic works; industrial designs; and symbols, names and images used in commerce.



intellectual property





patent

a three-camera system with image enhancement

trademark

"Apple", "iPhone", "iBook"

copyright

literary works, source codes, alarm songs

industrial design

an exterior design and shape of smartphone (aesthetic)

trade secret

intellectual property trademark

Malaysian Trademarks Act 2019

effective from 27 December 2019



LAWS OF MALAYSIA

Act 815

TRADEMARKS ACT 2019



Copyright of the Attorney General's Chambers of Malaysia



GUIDELINES OF TRADEMARKS (TRANSITIONAL MATTERS) 2019

MyIPO/GTM(TM)/1/2019
(Updated 6 January 2020)

0

Malaysian Trademarks Act 2019



- **Accession to the Madrid Protocol and Multi-Class Applications**
a single application in one language with one set of fees to seek protection of a trade mark in up to 120 countries
- **Non-Conventional and Collective Marks**
e.g. collective and non-conventional marks
- **Absolute and Relative Grounds of Refusal**
based on marks which are non-distinctive or descriptive; based on similar or identical marks which were filed earlier
- **Trade Marks as Security Interests**
- **Revocation on the basis of Non-Use**
*to include instances when a mark has become **a common name in the trade as a consequence of inactivity**, and when the use of such mark is liable **to mislead the public** as to the nature, quality or geographical origin of the goods or services.*

Malaysian Trademarks Act 2019



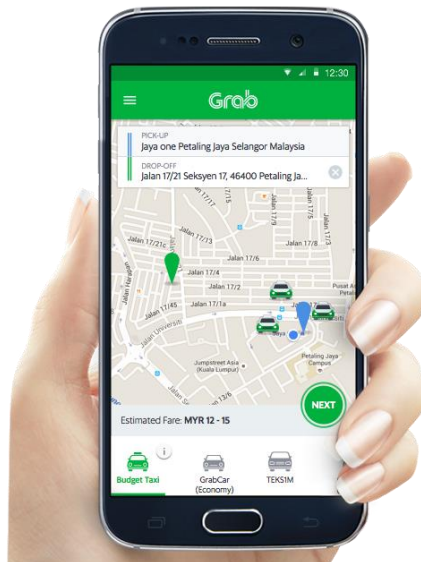
- **Abolition of Registered Users**
- **Expansion of the Scope of Trade mark Infringement**
*registered proprietors may bring an action for **infringement** in respect of goods or services that are similar to the goods or services claimed under the registered mark*
- **Remedies against Groundless Threats**
e.g. a declaration of groundless threat; an injunction and damages
- **Privileged Communication**
extends legal professional privilege to communications between a registered trade mark agent and the person appointing or authorizing the agent
- **Transitional Provisions**
- **Collective Marks**

Trademark

“Trademark” means **any sign** capable of being represented **graphically** which is capable of **distinguishing goods or services** of one undertaking from those of other undertakings.

Sign

NEW Any letter, word, name, signature, numeral, device, brand, heading, label, ticket, shape of goods or their packaging, color, sound, scent, hologram, positioning, sequence of motion or any combination thereof.



GrabTaxi Holdings Pte. Ltd.

Collective Mark

NEW

A collective mark shall be a **sign distinguishing the goods or services of members of the association** which is the proprietor of the collective mark from those of other undertakings.



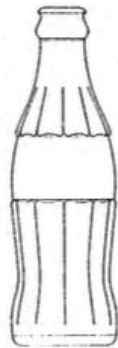
Certification Mark

NEW

A certification mark shall be a **sign indicating that the goods or services in connection with which it shall be used are certified by the proprietor of the mark in respect of origin, material, mode of manufacture of goods or performance of services, quality, accuracy or other characteristics.**



Shape of goods or their packaging



Mark
registration
Ser. No.
73088384



Mark
registration
Ser. No.
74611506



Mark
registration
Ser. No.
74611507



Mark
registration
Ser. No.
77878543



Mark
registration
Ser. No.
77818735



Mark
registration
Ser. No.
75796806



Mark
registration
Ser. No.
85226870

Color mark

Example of single colour mark

EUTM: 000031336



Description of the trademark: Lilac/violet, single colour as shown in the representation. The values (specific coordinates in the colour space) for the present trademark are: "L* = 53.58 ±0.8; a*= 15.78±0.5; b*= -31.04±0.5". The trademark can be located in "Pantone's Process Book" between the shades with number "E 176-4" and "E 176-3".

Class: 30

Goods: Chocolate, pralines, chocolate products, chocolate goods, not for medical use.

Owner: Kraft Foods Schweiz Holding GmbH

Sound mark

Example of sound mark

EUTM: 003126067

Graphic representation:



Class 29: Milk, milk products, namely drinking milk, sour milk, butter milk, yoghurt, fruit yoghurt, yoghurt with chocolate or cocoa additives, non-alcoholic mixed milk drinks, kefir, cream, quark, fruit and herb quark desserts, desserts, mainly of milk and flavourings with gelatine and/or starch being binding agents, butter, clarified butter, cheese and cheese preparations, milk and whey powder being food for humans, dietetic yoghurt for non-medical purposes.

Class 30: Puddings, ices, powder for ices, long-life pastries, and pastries, in particular prepared cakes and wafers, chocolate and chocolate goods; chocolate- and cocoa-based beverages, predominantly consisting of milk.

Owner: Zott SE & Co. KG

Scent mark

Example 1 of scent (US)

U.S. Trademark Registration No. 2,463,044

Description: The mark consists of a cherry scent.

Class: 4

Goods: synthetic lubricants for high performance racing and recreational vehicles.

Owner: Mike Mantel

Example of scent (US)

U.S. Trademark Registration No. 2,560,618

Description: The mark is a scent mark having the scent of bubble gum

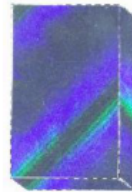
Goods: Oil based metal cutting fluid and oil based metal removal fluid for industrial metal working.

Owner: Midwest Biologicals, Inc.

Hologram mark

Example of hologram mark

EUTM: 002559144



Description of the mark: The mark as shown in the attachment consists of holographic paper that reflects the spectrum of colour in a pattern of oblique, parallel lines applied to the surface of a package; the dotted lines shown in the drawing form no part of the mark, and are for 3-d illustrative purposes only.

Colour: The whole spectrum of colour (hologram).

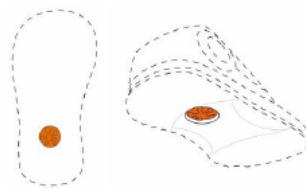
Class: 34

Goods: Cigarettes

Positioning mark

Example of Positioning

EUTM: 017363201



Description of the trademark: The trademark is a position mark. It consists of an orange circle, inside which is the drawing of an undefined geometric shape consisting of curved lines and a small circle. The position trademark is placed on the exterior of a sole of a shoe. The shoe shape (represented by dotted lines) as well as the quadrilateral with concave and convex shapes and the semicircle in the shape of a half moon inside it (both on the exterior of the sole of the shoe) do not form part of the position trademark, they are only outlined to indicate the exact context in which the claimed position trademark appears.

Class: 25

Goods: Footwear; Infants' footwear.

Owner: International Shoes Garvalin, S.L.

Sequence of motion

Example of sequence of motion

Trademark Singapore: 40201708908Y



intellectual property | **functions of trademark**

- **Origin** – A trade mark helps to identify the source and those linked for the products and services trade in the market.
- **Choice** – A trade mark assists consumers to choose goods and services with ease.
- **Quality** – Consumers define a certain trade mark for its known quality.
- **Marketing** – Trade mark play a significant role in promoting. It's common for consumers to make purchases based on continuous effect of advertising.
- **Economic** – Recognized trade mark is a valuable asset. Trade marks may be licensed or franchised.



intellectual property | importance of trademark registration

- **Exclusive Rights** – Registered trade marks owners have the rights to take legal action for infringement under the Trade Mark Law against others who use their marks without consent.
- **Legal Evidence** – a prima facie evidence of trade mark ownership. A certificate of registration serves as an important document to establish the ownership of goods exported to other countries.



List of Trademark Nice Classes

 Class 1 Chemical Products	 Class 10 Medical Apparatus	 Class 19 Building Materials	 Class 28 Toys and Sporting Goods	 Class 37 Building Construction & Repair Services
 Class 2 Paints & Varnishes	 Class 11 Environmental Control Apparatus	 Class 20 Furniture and Materials not otherwise specified	 Class 29 Meats and Processed Foods	 Class 38 Telecommunication Services
 Class 3 Cosmetics & Cleaning Substances	 Class 12 Vehicles	 Class 21 Houseware and Glass	 Class 30 Staple foods including Flour, cereals, bread etc.	 Class 39 Transportation and Storage Services
 Class 4 Industrial Oils and Lubricants	 Class 13 Firearms	 Class 22 Ropes and Fibres	 Class 31 Natural Agricultural Products	 Class 40 Material Treatment Services
 Class 5 Medicines	 Class 14 Jewellery	 Class 23 Yarns and Threads	 Class 32 Light Beverages including Beer	 Class 41 Education and Entertainment services
 Class 6 Common Metals & Alloys	 Class 15 Musical Instruments	 Class 24 Fabrics	 Class 33 Wines and Spirits	 Class 42 Computer, Scientific and Legal
 Class 7 Machine Tools	 Class 16 Stationery and Paper Goods	 Class 25 Clothing and Footwear	 Class 34 Tobacco Products	 Class 43 Restaurants and Food Services
 Class 8 Hand Tools	 Class 17 Rubber Goods	 Class 26 Fancy goods such as Lace and Embroidery	 Class 35 Advertising and Business Services	 Class 44 Medical and Veterinary Services
 Class 9 Electric and Scientific Devices	 Class 18 Leather Goods	 Class 27 Carpets and Floor Coverings	 Class 36 Insurance and Financial Services	 Class 45 Personal and Social Services

intellectual property industrial design

intellectual property | **what is industrial design**

- An industrial design means features of **shape, configuration, pattern or ornament** applied to an article by any industrial process which in the finished article **appeal to the eye and are judged by the eyes.**



intellectual property | **registrable industrial design**

- **Fulfill the interpretation of industrial design**
- **New in Malaysia or elsewhere**
- **Not contrary to public order or morality**

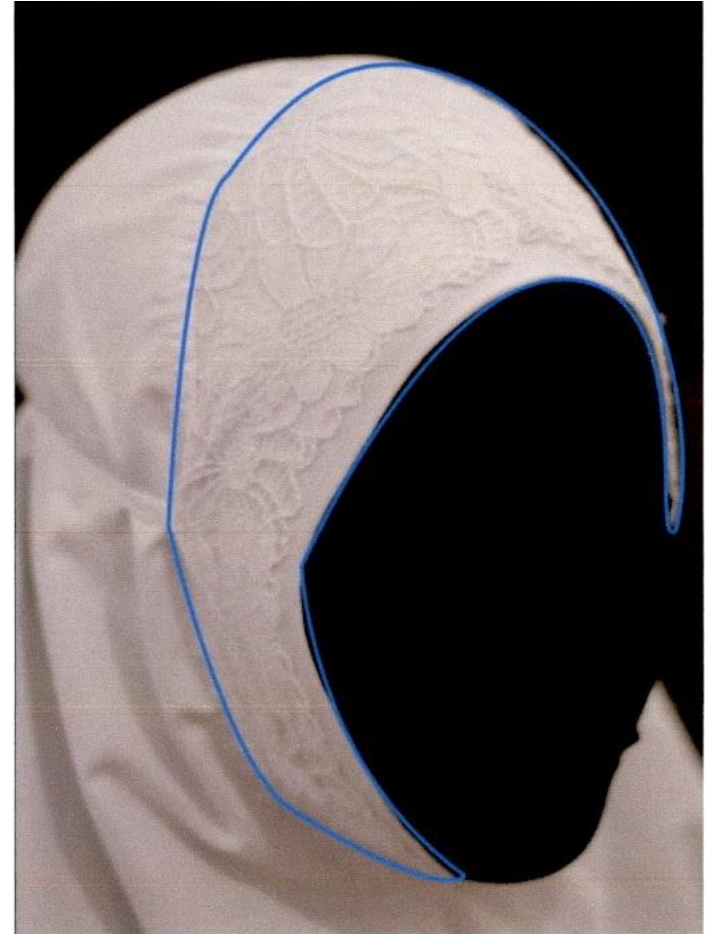


intellectual property | **non-registrable industrial design**

- A method or principle of construction
- The designs of articles **depend upon the appearance of another article** which forms an integral part of the article
- It **differs only in immaterial details** or features
- The features of the article are **dictated solely by function**



intellectual property | importance of industrial design registration



Religious Apparel
MY11-01679-0101

intellectual property | importance of industrial design registration

- Owner of a registered design has the **exclusive right to make, import, sell or hire out any article to which the design has been applied.**



intellectual property copyright



intellectual property | **what is copyright**

- Copyright is the **exclusive right to control creative works** created by the **author, copyright owner** and **performer** for a specific period governed under the Copyright Act 1987.



intellectual property | **works eligible for copyright**

1. **Literary Works**
2. **Musical Works**
3. **Artistic Works**

protects the creative effort of an author

protects the investment of the entrepreneur who has packaged the author's work in a form which can be commercially exploited or disseminated to the public

4. **Films**
5. **Sound Recordings**
6. **Broadcasts**
7. **Derivative Works**

Literary works (includes dramatic works)

e.g. novels, stories, books, pamphlets, manuscripts, poetical, works and other writings, table & compilation, computer programme

Musical works

means any musical work, and includes works, composed for musical accompaniment

Artistic works

- (a) a graphic work, photograph, sculpture or collage, irrespective of artistic quality;
- (b) a work of architecture being a building or a model for a building; or
- (c) a work of artistic craftsmanship

Films

means any fixation of a sequence of visual images on material of any description, whether translucent or not, so as to be capable by use of that material with or without any assistance of any contrivance.

Sound recording

means any fixation of a sequence of sounds or of a representation of sounds capable of being perceived aurally and of being reproduced by any means, but does not include a soundtrack associated with a film.

Broadcast

means a transmission, by wire or wireless means, of visual images, sounds or other information.

intellectual property | **rights of copyright owner**

- **Legal Rights**
- **Economic Rights**
- **Moral Rights**
 - Paternity Rights
 - Integrity Rights



intellectual property | **exclusive rights**

A bundle of rights to control various acts under Section 13(1) which provides the copyright owner **the exclusive right to control in Malaysia** the following acts (in respect of literary, musical, artistic works, films, sound recordings or derivative works):

- the **reproduction** in any material form;
- the **communication to the public**;
- the **performance, showing or playing** to the public;
- the **distribution of copies** to the public by sales or other transfer of ownership;
- the **commercial rental** to the public

of the **whole work** or a **substantial part** thereof.






- **reproduces** in any material form, performs, shows or plays or distributes to the public
- **imports** any article into Malaysia for the purpose of trade or financial gains
- **makes for sale or rent** any infringing copy
- **sells, rent or by way of trade, exposes or offers** for sale or rent any infringing copy
- **distributes infringing copies**
- **possesses**, otherwise than for his private and domestic use, any infringing copy
- **exhibits in public** any infringing copy by way of trade
- **makes or has in his possession** any contrivance used or intended to be used for the purpose of making infringing copies

Defences to Copyright Infringement

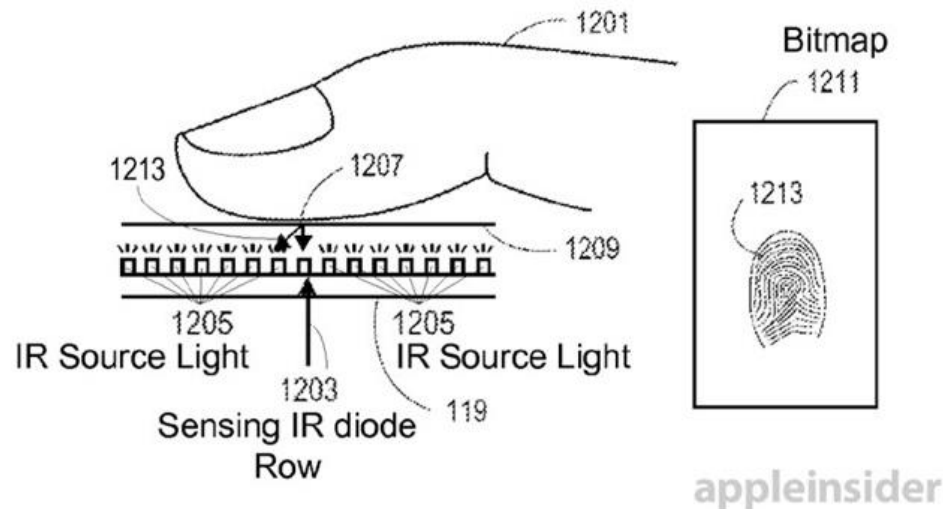
- **Fair dealing**
 - ✓ Research and private study
 - ✓ Criticism and review
- **Incidental uses and copyright work in public places**
 - ✓ e.g. artistic work available in public places appearing in a film
- **Private and domestic use**
 - ✓ e.g. Astro PVR (personal video recorder)
- **Education**
- **Government use and the legal process**
- **Miscellaneous** – parody, pastiche or caricature, public recitation, informatory purposes (e.g. news channel)

intellectual property patent



intellectual property | patent

- an **exclusive right (limited monopoly)** granted for an invention
- the patent owner with **the right to decide how** - or whether - the invention can be used by others
- in exchange for this right, the patent owner **makes technical information about the invention publicly** available in the published patent document.



Apple patents a screen tech capable of reading fingerprints without dedicated sensor (US 9,570,002)

Rights of Patent Owner

- To **exploit** the patented invention
 - ✓ making, importing, offering for sale, selling or using the product/process;
 - ✓ stocking such product for the purpose of offering for sale, selling or using
 - ✓ doing any of the acts referred to the above in respect of a product obtained directly by means of the process
- To **assign** or transmit the patent
- To **conclude** licence contracts



Limitation of Rights of Patent Owner

“The rights of the patentee shall extend only to acts done for **industrial or commercial purposes** and, in particular, not to acts done only for **scientific research**.”



*Panadol with **Optizorb** contains a **patented delivery system** which allows it to deliver paracetamol more **efficiently*** to the body, relieving pain whilst remaining gentle on stomachs (sourced from GSK website)*



*A premium brand of water soluble Tongkat Ali root extract, produced by a **unique technology** that has been patented with **water-soluble bioactive ingredients** are found to be able to **increase optimal testosterone levels**.*

intellectual property anatomy of patent document

Patent Specification

Title of Invention

Field of Invention

Background of Invention

Summary of Invention

Brief Description of Drawings

Detailed Description

Claims

Abstract

Patent Drawings

Drawings

“Legal document which accompanies an application for a patent”



Perbadanan Harta Intelek Malaysia
Intellectual Property Corporation of Malaysia

Unit 1-7, Ground Floor, Menara UOA Bangsar, No. 5, Jalan Bangsar Utama 1,
 59000 Kuala Lumpur. Tel: +603-2299 8400 Fax: +603-2299 8989
 Website: <http://www.myipo.gov.my>



PATENT DETAILS

Disclaimer: The information available is not intended to be comprehensive information, Perbadanan Harta Intelek Malaysia(MyIPO) shall not be liable to any consequences of errors or omissions.

(12) MALAYSIAN PATENT	(11) MY-167960-A
(21) Application No.: PI 2014700303	(56) Prior Art: WO 2005/122577 A1, JP 2006309522 A WO 2005/122577 A1, JP 2006309522 A WO 2005/122577 A1, JP 2006309522 A WO 2005/122577 A1, JP 2006309522 A
(22) Filing date: 27 Dec 2011	(72) Inventor(s): OYMAN, OZGUR
(47) Date of Grant: 08 Oct 2018	(73) Patent Owner: INTEL CORPORATION, 2200 Mission College Boulevard, Santa Clara, California 95052, United States of America
(30) Priority Data: 61/514,009; 01 Aug 2011; United States of America	(74) Agent: MUHAMMAD IRFAN MUSTAQIM BIN AWANG, Patentsworth International Sdn Bhd A-SG-11A, Sunway GEO Avenue, Jalan Lagoon Selatan, Sunway South Quay Sunway City, Subang Jaya, Selangor 47500, Malaysia
(51) Classification, ICT CL: -	
(54) Title: SYSTEM AND METHOD FOR ADAPTING VIDEO COMMUNICATIONS	
(57) Abstract: AN APPARATUS (106) MAY INCLUDE ONE OR MORE RADIO-FREQUENCY (RF) TRANSCEIVERS ARRANGED TO RECEIVE MULTIMEDIA CONTENT DURING A SESSION OVER A FIRST LINK (108) FROM A WIRELESS WIDE-AREA NETWORK (WWAN) (104) AND TO FORWARD INFORMATION OVER A SECOND LINK (112) TO A DISPLAY DEVICE (110). THE APPARATUS (106) MAY FURTHER INCLUDE A PROCESSOR CIRCUIT COMMUNICATIVELY COUPLED TO THE ONE OR MORE RF TRANSCEIVERS AND A VIDEO ADAPTATION MODULE (114) OPERATIVE ON THE PROCESSOR CIRCUIT TO GATHER DEVICE CAPABILITY INFORMATION FROM THE DISPLAY DEVICE (110), AND TO MODIFY DEVICE CAPABILITY EXCHANGE SIGNALING TO THE WWAN (104) BASED UPON THE GATHERED DEVICE CAPABILITY INFORMATION, THE DEVICE CAPABILITY EXCHANGE SIGNALING TO DEFINE EXCHANGE OF MULTIMEDIA CONTENT BETWEEN THE APPARATUS (106) AND THE WWAN (104). OTHER EMBODIMENTS ARE DISCLOSED AND CLAIMED. FIGURE 1	

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Page 1 of 1

intellectual property patent prosecution



Patent Prosecution - Filing, Registration & Maintenance

Sections 14, 15 & 16 - Patentability

Section 13 - Non-Patentable Invention

Section 12 - Meaning of “Invention”



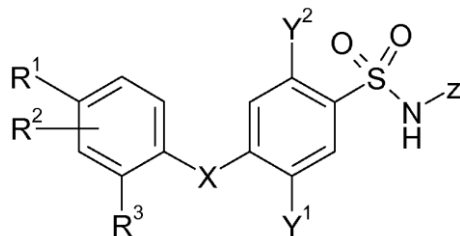
Section 12 – Meaning of “Invention”

An idea of inventor that permits **in practice** the **solution** to a **specific problem** in the field of **technology**.

i.e. product and process

Product Patent

- Relates to a **physical entity**
- Any thing which appears in **tangible form** - apparatus, article, device, equipment, machine, substance & composition



Process Patent

- Relates to a **process, method or use**
- An activity performed upon some material product to achieve a certain result

Jatropha Oil Extraction





2

Section 13 – Non-Patentable Invention

- **discoveries, scientific theories, mathematical methods**
- **plant or animal varieties** or essentially **biological process** for the production of plants or animals, other than **man-made** living microorganisms, micro-biological processes and the products of such microorganism processes
- diagnostic, therapeutic and surgical **methods of treatment** for humans or animals
- schemes, rules, method of performing **mental acts or playing games**
- inventions that may **affect public order, good morals or public health**



Sections 14, 15 & 16 – Patentability

- **Novel** (new)
- **Involve inventive step** (i.e. non-obviousness)
- **Industrial application** (can be used and made in industry)

***Prior art:** anything disclosed around the world before date of patent filing



Patent Prosecution – Filing, Registration & Maintenance

Patent

and/or

Utility Innovation

intellectual property utility innovation



Utility Innovation

Any innovation which creates a new product or process, or any new improvement of a known product or process which is capable of industrial application and includes an invention.

Utility Innovation



Patent

- **Patentability requirement**

- ✓ **Novel (new)**
- ✓ ~~Inventive step~~
- ✓ **Industrial applicable**

- **Allowable claims**

- ✓ **One (1) claim**

- **Terms**

- ✓ **10 + 5 + 5 years**

- **Patentability requirement**

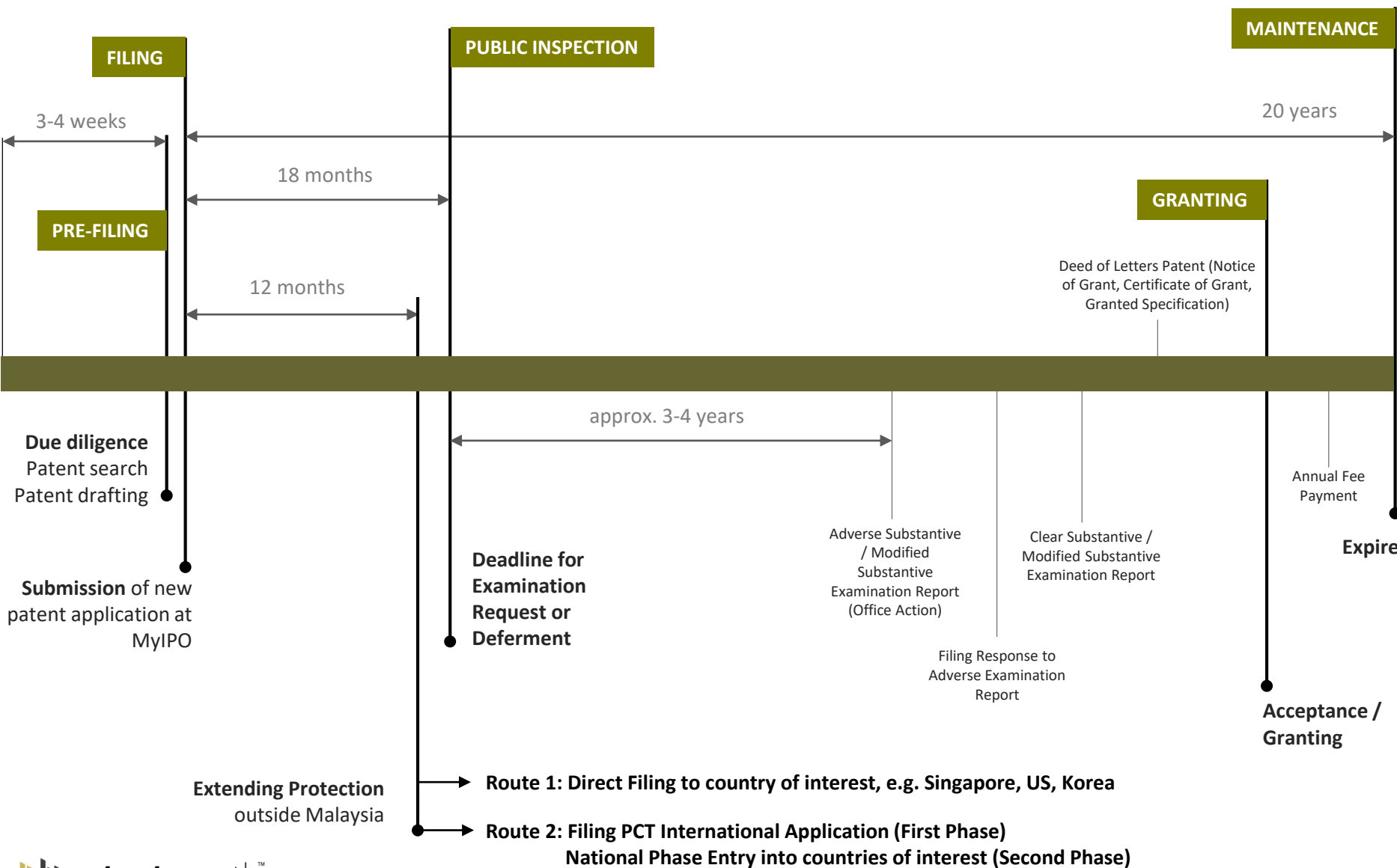
- ✓ **Novel (new)**
- ✓ **Inventive step**
- ✓ **Industrial applicable**

- **Allowable claims**

- ✓ **One or more claims**

- **Terms**

- ✓ **20 years**



intellectual property patentability

Patentability

Novelty



Inventive Step



Industrial Applicability

Novelty

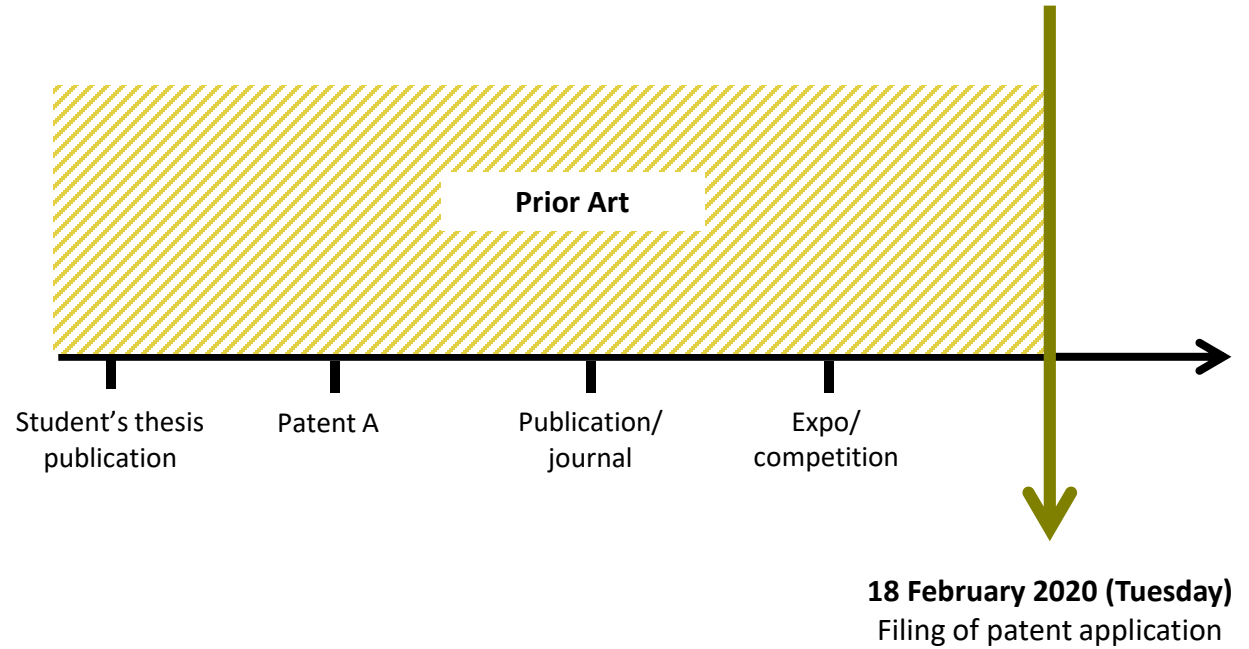
Section 14

An invention is new if **not anticipated** by prior art.

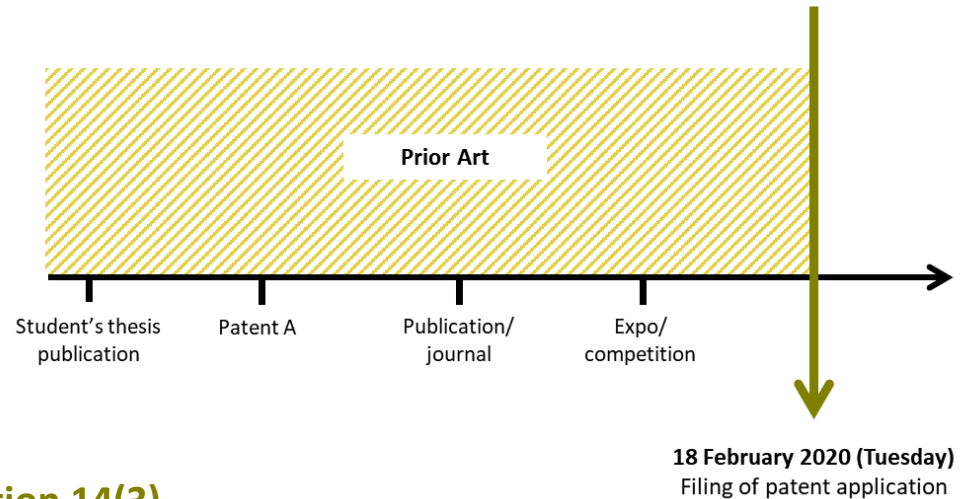
Prior Art

Everything disclosed to the public **anywhere in the world** by written publication, by oral disclosure, by use or in any other way prior to the priority date of the patent application claiming the invention.

Novelty



Novelty



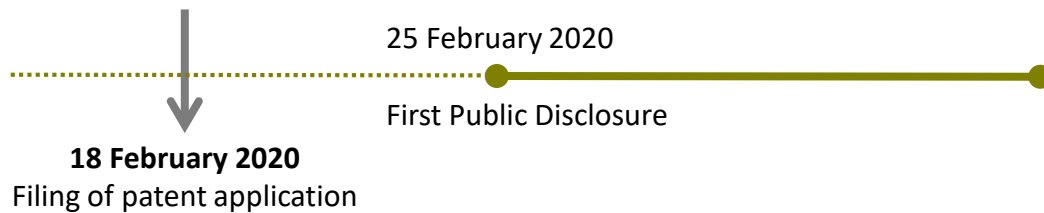
Section 14(3)

A disclosure shall be disregarded as prior art if:

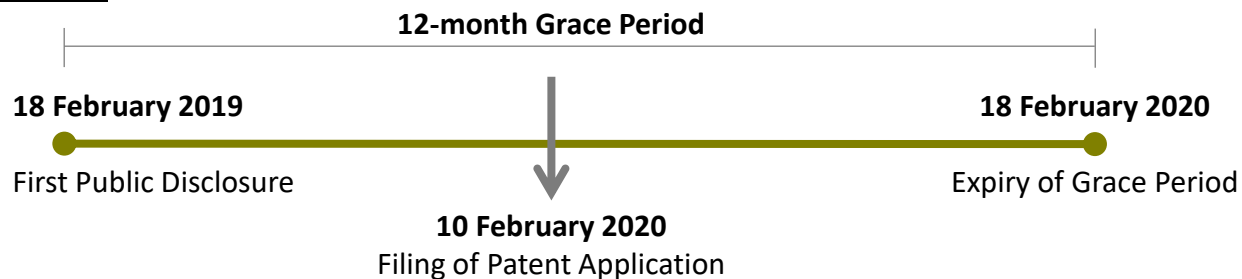
- the disclosure occurred within 1 year preceding the filing date of application; **AND**
- if the disclosure was **by reason or in consequences of acts committed** by the applicant or his predecessor in title;
- if the disclosure was by **reason or in consequences of any abuse of the rights** of the applicant or his predecessor in title.

Novelty

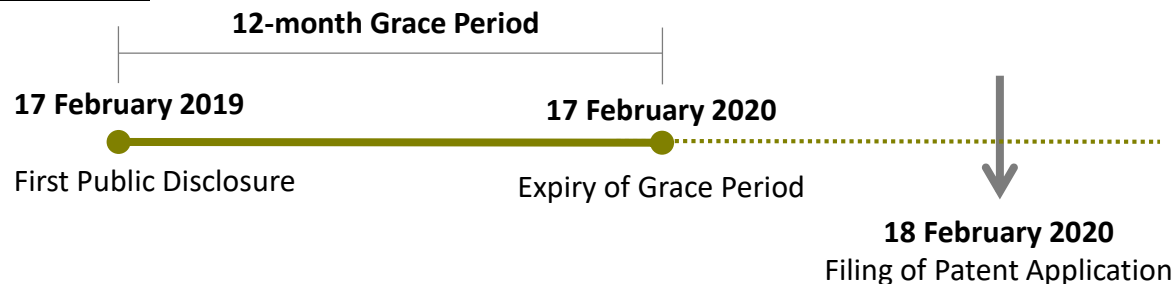
Case 1



Case 2



Case 3



Inventive Step

Section 15

An invention shall be considered as involving an inventive step if, **having regards to any matter which forms part of the prior art**, such inventive step would not have been obvious to a **person having ordinary skill in the art** (PHOSITA).

Industrial Application

Section 16

An invention shall be considered industrially applicable if it **can be made or used** in any kind of industry.

Patentability

Novelty



Inventive Step



Industrial Applicability

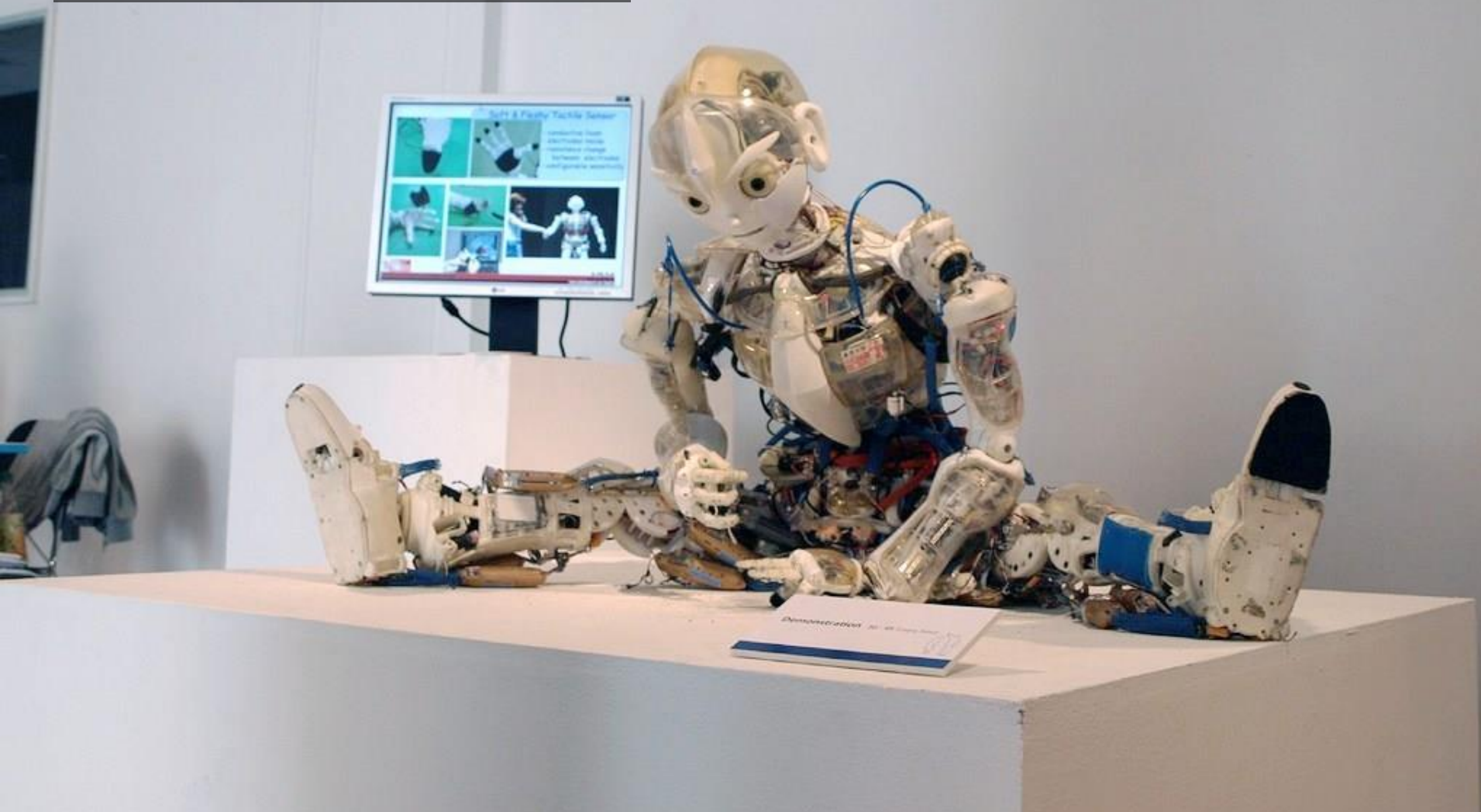
intellectual property disruptive technology?



disruptive technology

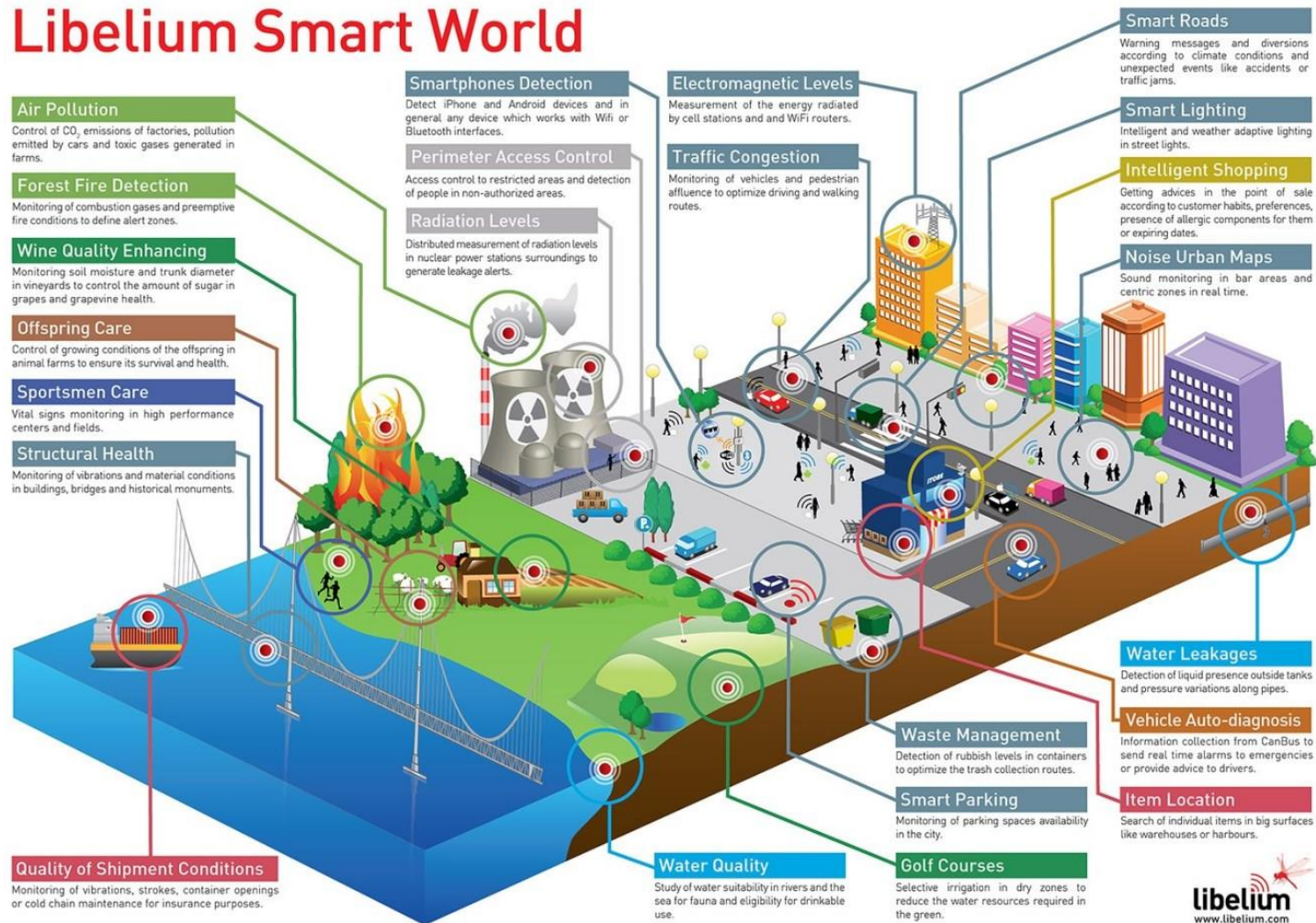
A **disruptive technology** is one that displaces an established **technology** and shakes up the industry or a ground-breaking product that creates a completely new industry.

Artificial Intelligence



Internet of Things (IoT)

Libelium Smart World



3D Printing

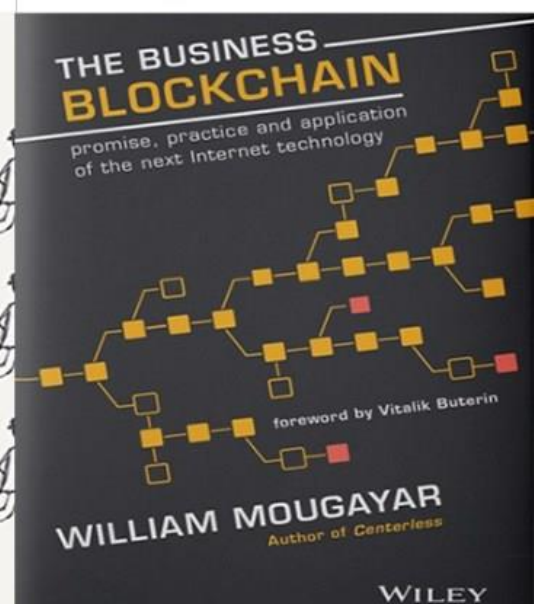
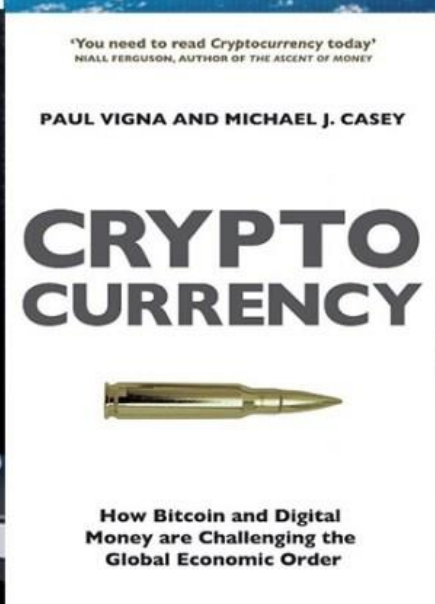
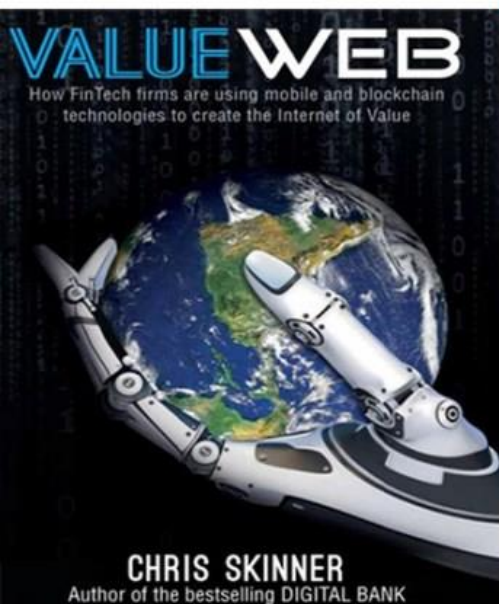
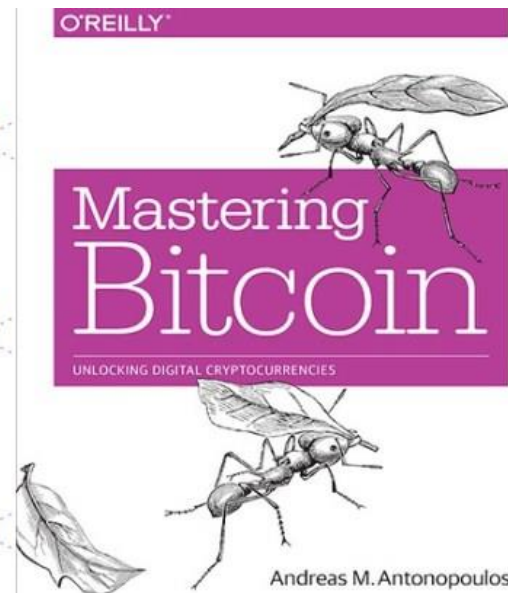
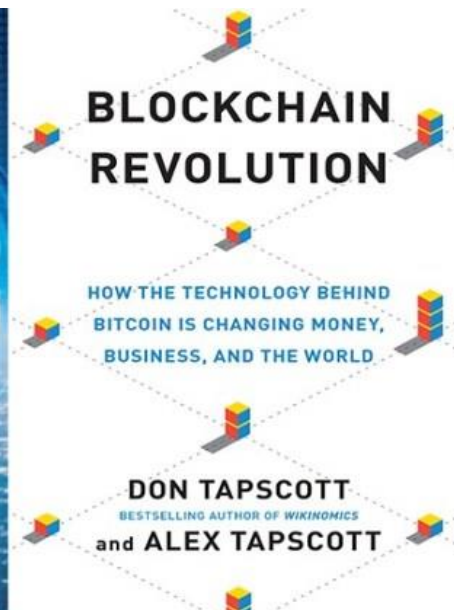


Medical Innovations





Melanie Swan



Advanced Virtual Reality



Renewable Energy

M+ by **PETRONAS**, a customisable and affordable solar solution designed for both commercial and industrial use.



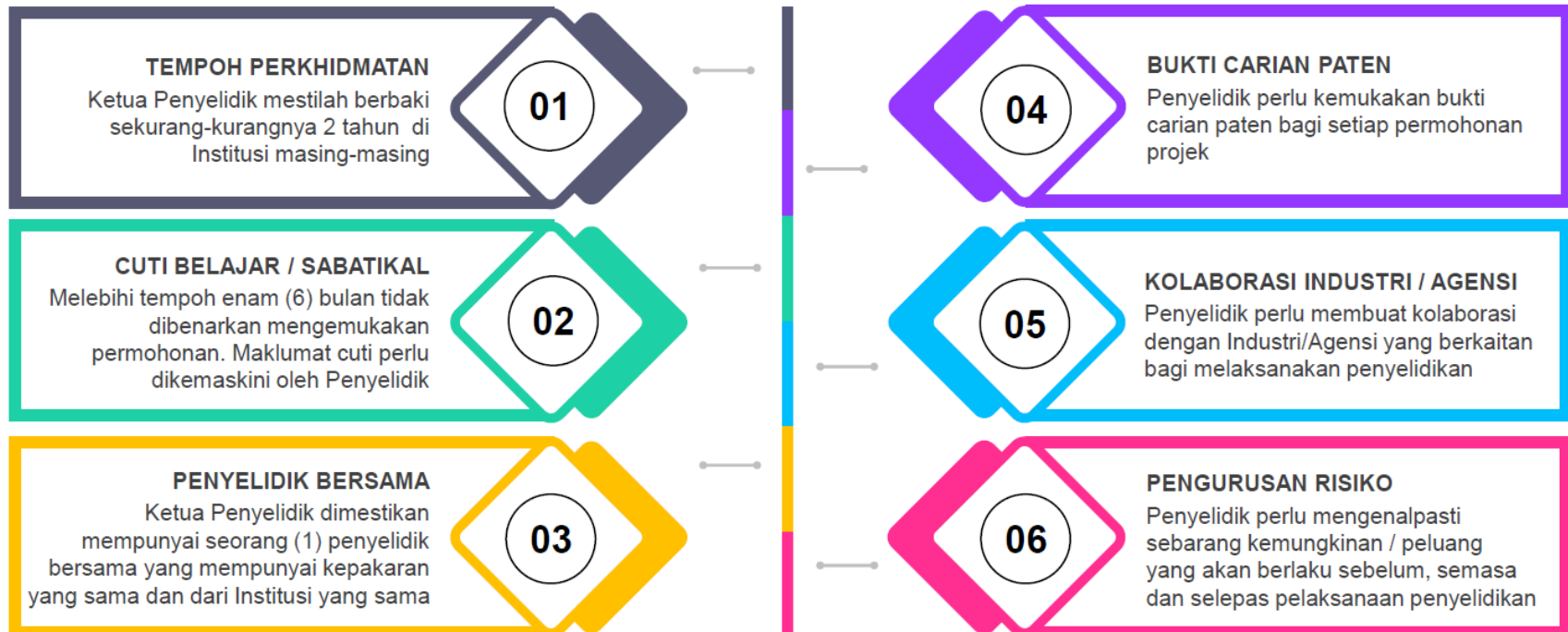
intellectual property

bukti carian paten – dana KPM



SYARAT TAMBAHAN PERMOHONAN

Geran Penyelidikan Dana Penyelidikan KPM Tahun 2020





- Familiarize with a **basic patent search** process
- View basic information associated with their research
- Identify **the novelty position** of their research application with regards to the intellectual property landscape
- Identify **other actors** (potential collaborators/ stakeholders/ competitors) in the sectors associated with their research areas
- Identify potential **trends in intellectual property interest**
- See **historical patent trends** associated their research
- Identify if neighboring countries (Singapore, Indonesia, Thailand) has developed **similar ideas**
- Avoid submitting research proposals that **lacks novelty** and potential economic and societal impact.

04

BUKTI CARIAN PATEN (PATENT SEARCH)

Bukti Carian Paten (Patent Search) perlu dikemukakan bagi setiap permohonan geran penyelidikan.

Menggunakan website <http://lens.org/> bagi tujuan carian paten

Objektif Utama:

Memberikan kesedaran “awareness” mengenai keperluan dan kepentingan menghasilkan penyelidikan yang unik dan inovatif

SYARAT KHUSUS



Digalakkan

● FRGS

Diwajibkan

● PRGS

● TRGS

● LRGS



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Lens.ORG
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Scholarly Works
 Search 208,074,284 Scholarly Works

Flags

Institution

Institution Country/Region

Author

Identifier Type

Funding

Journal

Conference Name

Publication Type

Publisher

Subject Matter

Open Access

Scholar Structured Search

Patents
 Search 120,580,512 Patents

Jurisdictions

Inventors

Owners (US)

Applicants

Document Types

Biologicals

Classification Explorer

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Lens serves global patent and scholarly knowledge as a public good to inform science and technology enabled problem solving.

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Citing Patents vs Cited Scholarly Works

The β-Chemokine Receptors CXCR3 and CXCR5 Facilitate Infection by Primary HIV-1 Isolates

Title of Scholarly Work:
Open Access: Yes
Citing Patents: NXP
Citing Scholarly Works: 2125

Features For Everyone

Discover, analyse, and map global innovation knowledge. Bridging the cultures of scholarly research with invention and industry, the Lens offers the following capabilities

> Patent Search and Analysis

More than 117 million patent records from over 95 different jurisdictions.

Scholarly Search and Analysis

Patents Cited Cited Works

Process For Amplifying Nucleic Acid Sequences

Published: Jul 28, 1987 Filed: Oct 25, 1985 Earliest Priority: Mar 28 1

Eurochem

TBM

Feedback



SIMPLIFIED PATENT SEARCH REPORT

[using Lens.org (<http://lens.org/>)]

Version 1/2020

Keywords Used	(type in the keywords used in your search)	The Number of Patents Found using Keywords Used	(copy and paste the number)
		Link to the Search Result on Lens.org	(paste the link of your search result copied from the Share box)

Answer these questions using 'YES' or 'NO'

No.	Questions	(YES / NO)
1	Has the number of patent published INCREASED for the past 10 years? If yes, it highlights an increasing interest to protect ideas associated with keywords used. Increasing interest may indicate developing or sunrise sector showing potential for substantial and rapid growth.	
2	Has the number of patent published DECREASED for the past 10 years? If yes, it highlights a decreasing interest in sectors associated with keywords used. Decreasing interest may indicate a declining or sunset sector showing diminishing interest to protect ideas or absence of new innovation.	
3	Does the description of the highest CPC Classification accurately represent the area of technology or innovation that the research aims to produce? If yes, it indicates correct keyword use that reflect understanding of the nature of the potential research output, its functionality, purpose and composition.	
4	Does the list of previous patent applicants include potential STAKEHOLDERS for the research output? If yes, it shows that the research output is aligned with future stakeholders and has the potential to be commercialised.	
5	Does the list of previous patent applicants include potential COMPETITORS for the research output? If yes, it shows that the research output has potential and is pursued by existing stakeholders in the sector.	
6	Does the patent search yield similar patents already filed in Malaysia? If yes, does your research output differ from the patents already filed?	
7	Does the patent search yield similar patents already filed in Thailand, Indonesia and Singapore? If yes, does your research output differ from the patents already filed?	
8	Does the inventor with the highest number of patents filed or awarded possess more than 2 patents to his/her name? If yes, it shows possible continuous pursuant of ideas associated with the research output by other interested parties.	



SIMPLIFIED PATENT SEARCH REPORT

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1

Keywords Used	(type in the keywords used in your search)	The Number of Patents Found using Keywords Used	(copy and paste the number)
		Link to the Search Result on Lens.org	(paste the link of your search result copied from the Share box)

2

3

4

Answer these questions using 'YES' or 'NO'		
No.	Questions	(YES / NO)
1	Has the number of patent published INCREASED for the past 10 years? If yes, it highlights an increasing interest to protect ideas associated with keywords used. Increasing interest may indicate developing or sunrise sector showing potential for substantial and rapid growth.	
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Version 1/2020

1	Keywords Used <small>(type in the keywords used in your search)</small>	The Number of Patents Found using Keywords Used	2
		Link to the Search Result on Lens.org	3



Scholarly Works

Patents

solar panel

Jurisdictions

Inventors

Owners (US)

Applicants

Document Types

Biologicals

Classification Explorer

Patent Structured Search



The Planet Is Cooking. No time for business as usual. Time for business unusual.

Lens API is now Free & Open. For Business. Unusual. [View Lens Partners](#)

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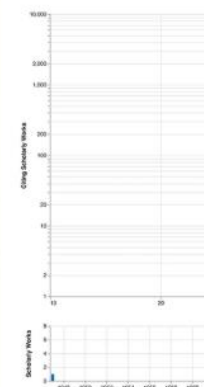
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SIMPLIFIED PATENT SEARCH REPORT

[using Lens.org (<http://lens.org/>)]

Version 1/2020

1	Keywords Used solar panel	(type in the keywords used in your search)	The Number of Patents Found using Keywords Used		311,102	2
		Link to the Search Result on Lens.org		3		

<https://www.lens.org/lens/search?q=solar%20panel&preview=true>

3

lens.org/lens/search?q=solar%20panel&preview=true

LENS.ORG

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311,102 Patent Results (195,880 families)

solar panel Refine Search

Filters 2

Patent Results 1

Patents (311,102) = solar panel

Filters: No filters applied

Patents Cited Works

Expand All Save Query Share Results Export Results Cites Works Group Families Hide Preview Analysis Sort by Relevance

☐ Solar Canopy System

☒ Published: Dec 21, 2017 Filed: Aug 31, 2017 Earliest Priority: Oct 11 2016 Family: 3 Cited Works: 0 Cited by: 0 Cites: 0

Additional Info: Full text

Owner: Fcx Solar Llc Applicant: Fcx Solar Llc

Patent Application US 2017/0365730 A1 168-051-655-277-434

☐ Solar Canopy System

☒ Published: Sep 20, 2018 Filed: May 18, 2018 Earliest Priority: Oct 11 2016 Family: 3 Cited Works: 0 Cited by: 0 Cites: 0

Additional Info: Full text

Owner: Fcx Solar Llc Applicant: Fcx Solar Llc

Patent Application US 2018/0269343 A1 187-278-264-820-984

Publications By Year

Document Count

Publication Year

Click and drag to select a time period

4

Answer these questions using 'YES' or 'NO'		
No.	Questions	(YES / NO)
1	Has the number of patent published INCREASED for the past 10 years? If yes, it highlights an increasing interest to protect ideas associated with keywords used. Increasing interest may indicate developing or sunrise sector showing potential for substantial and rapid growth.	
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3	Does the description of the highest CPC Classification accurately represent the area of technology or innovation that the research aims to produce?	

The screenshot shows the LENS.ORG website interface. The search results for 'solar panel' are displayed, showing 311,102 patent results. The interface includes a sidebar with filters, a main results area with a list of patents, and a 'Publications By Year' chart on the right. A red arrow points to the 'Analysis' button in the top right corner of the results area.

Patent Results
 Patents (311,102) = solar panel
 Filters: No filters applied

Patents | Cited Works

☐ Expand All ☐ Save Query ☐ Share Results ☐ Export Results ☐ Cites Works ☐ Group Families ☐ Hide Preview Analysis ☐ Sort by Relevance

Solar Canopy System
 Published: Dec 21, 2017 Filed: Aug 31, 2017 Earliest Priority: Oct 11 2016 Family: 3 Cited Works: 0 Cited by: 0 Cites: 0
 Additional Info: [Full text](#)
 Owner: Fcx Solar Llc Applicant: Fcx Solar Llc
 Patent Application US 2017/0365730 A1 168-051-655-277-434

Solar Canopy System
 Published: Sep 20, 2018 Filed: May 18, 2018 Earliest Priority: Oct 11 2016 Family: 3 Cited Works: 0 Cited by: 0 Cites: 0
 Additional Info: [Full text](#)
 Owner: Fcx Solar Llc Applicant: Fcx Solar Llc
 Patent Application US 2018/0269343 A1 187-278-264-820-984

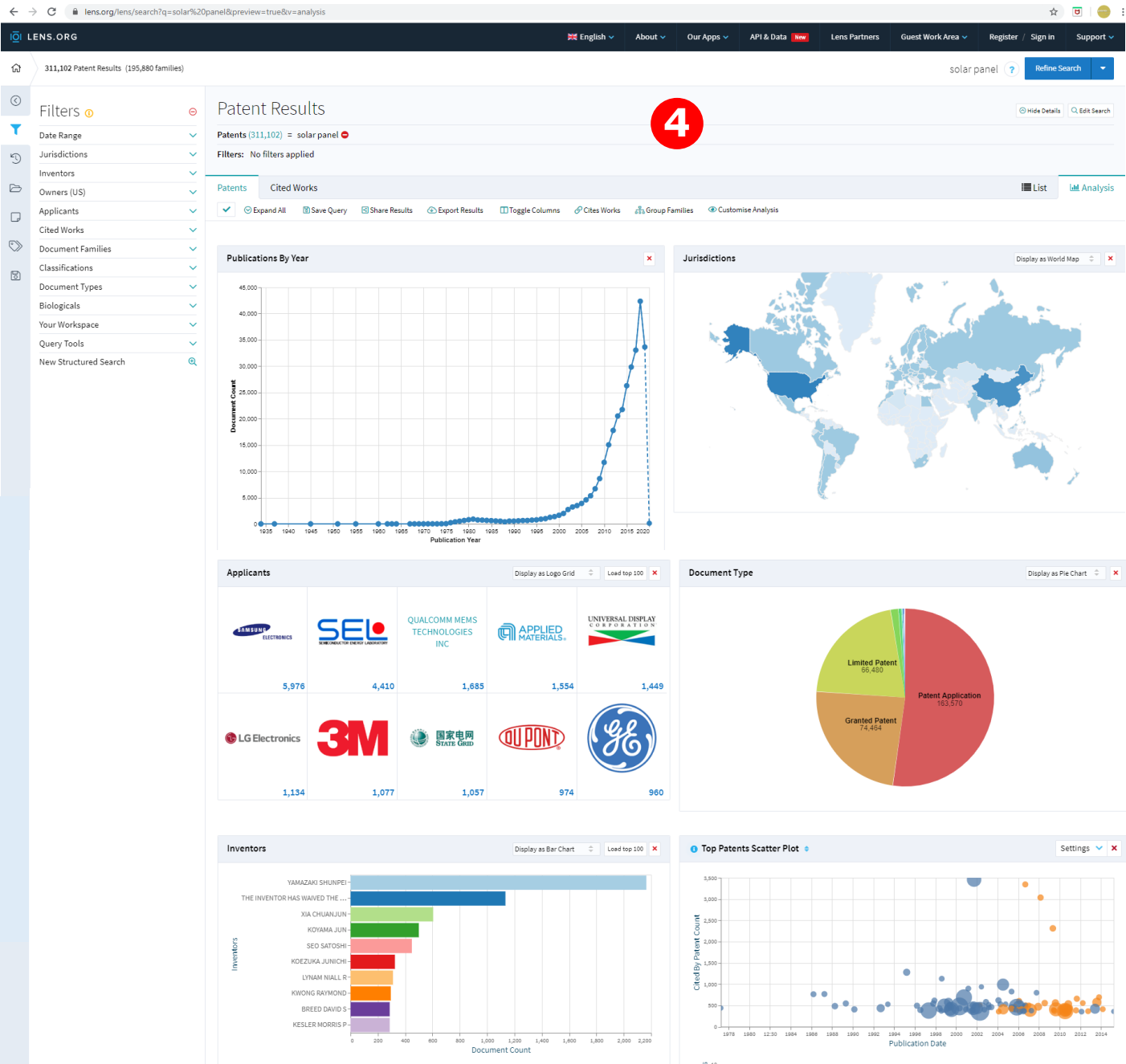
Publications By Year

Document Count

Publication Year

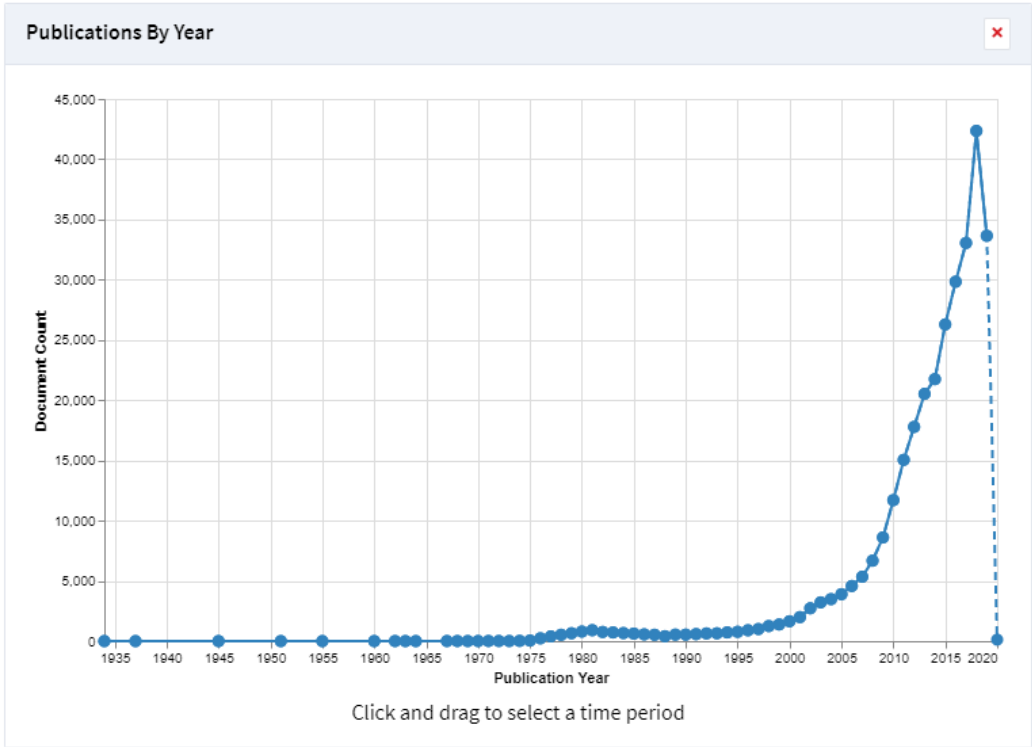
Click and drag to select a time period

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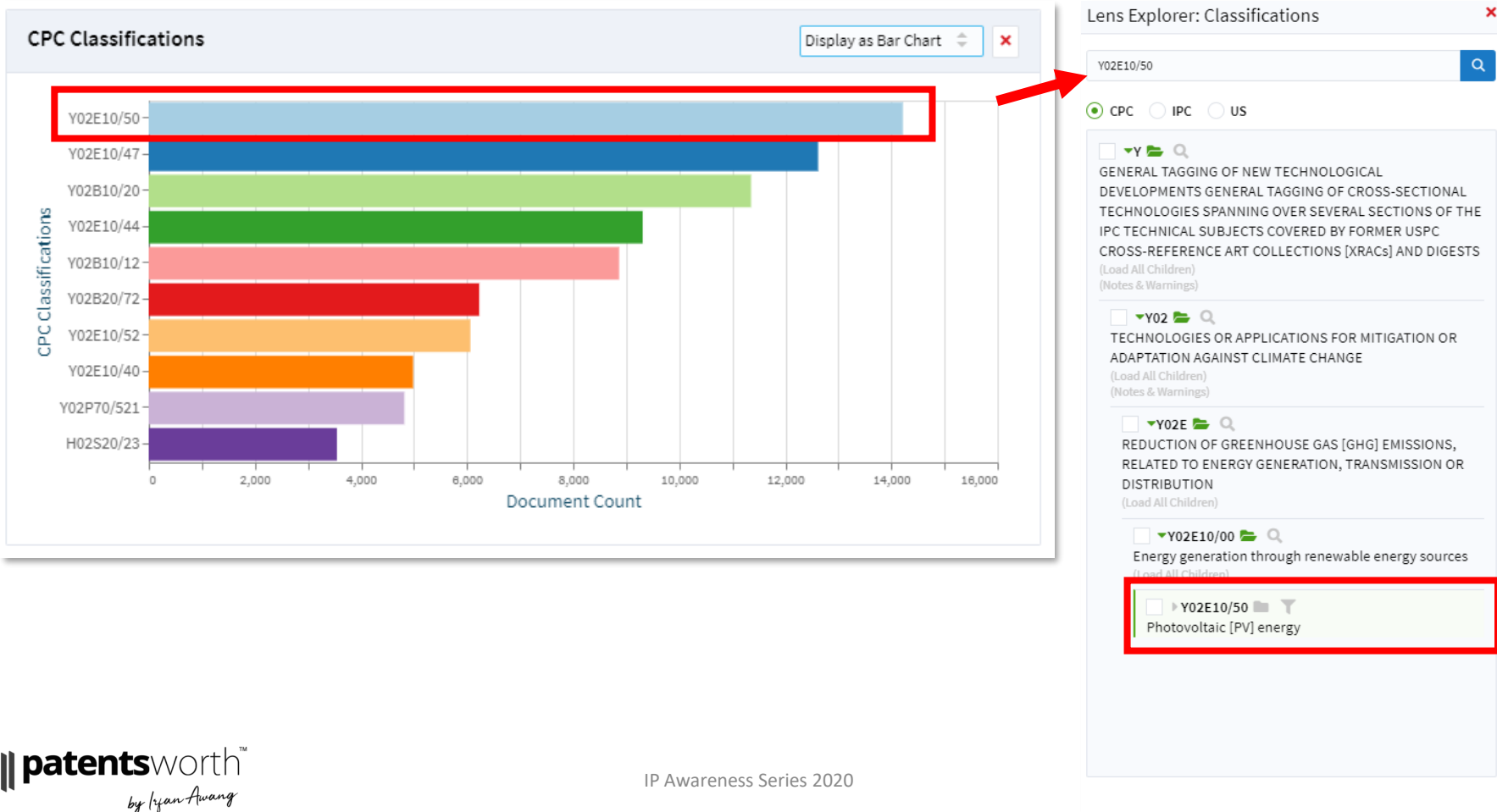


4

Answer these questions using 'YES' or 'NO'		
No.	Questions	(YES / NO)
1	Has the number of patent published <u>INCREASED</u> for the past 10 years? If yes, it highlights an increasing interest to protect ideas associated with keywords used. Increasing interest may indicate developing or sunrise sector showing potential for substantial and rapid growth.	Yes
2	Has the number of patent published <u>DECREASED</u> for the past 10 years? If yes, it highlights a decreasing interest in sectors associated with keywords used. Decreasing interest may indicate a declining or sunset sector showing diminishing interest to protect ideas or absence of new innovation.	No

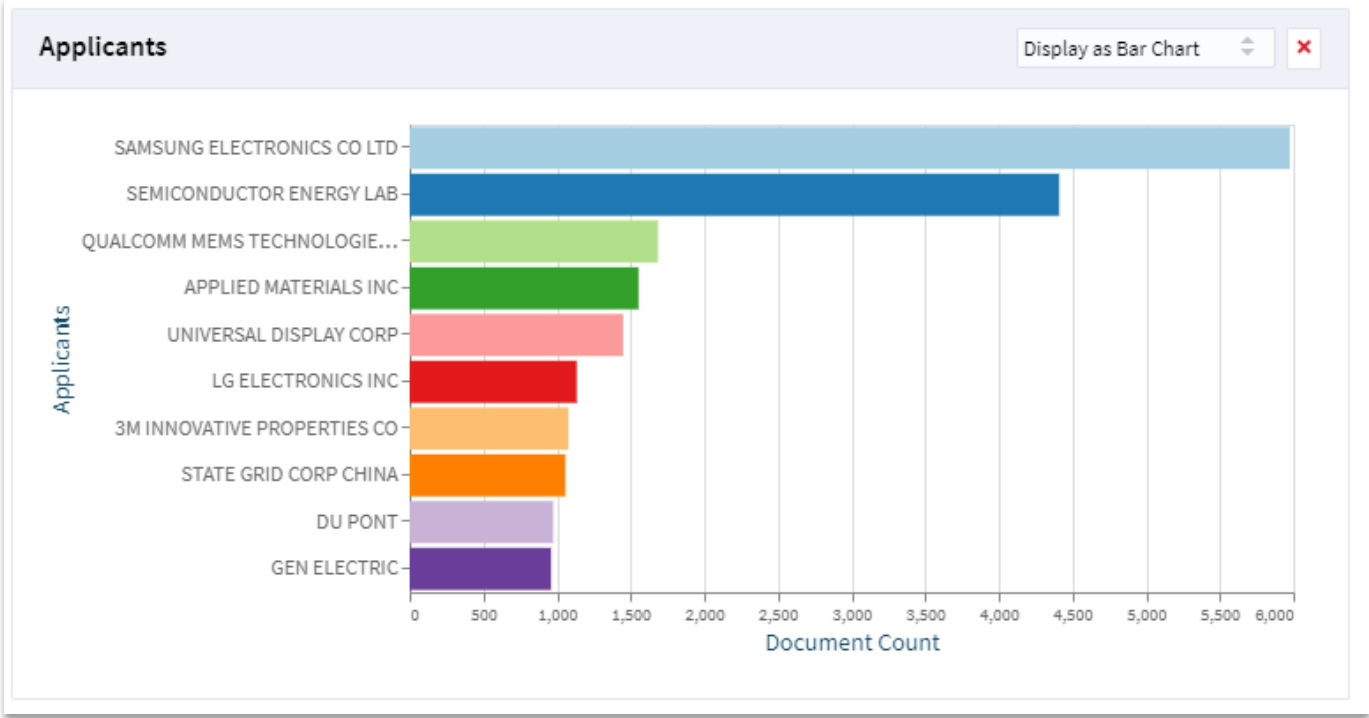


4	3	<p>Does the description of the highest CPC Classification accurately represent the area of technology or innovation that the research aims to produce?</p> <p>If yes, it indicates correct keyword use that reflect understanding of the nature of the potential research output, its functionality, purpose and composition.</p>	Yes
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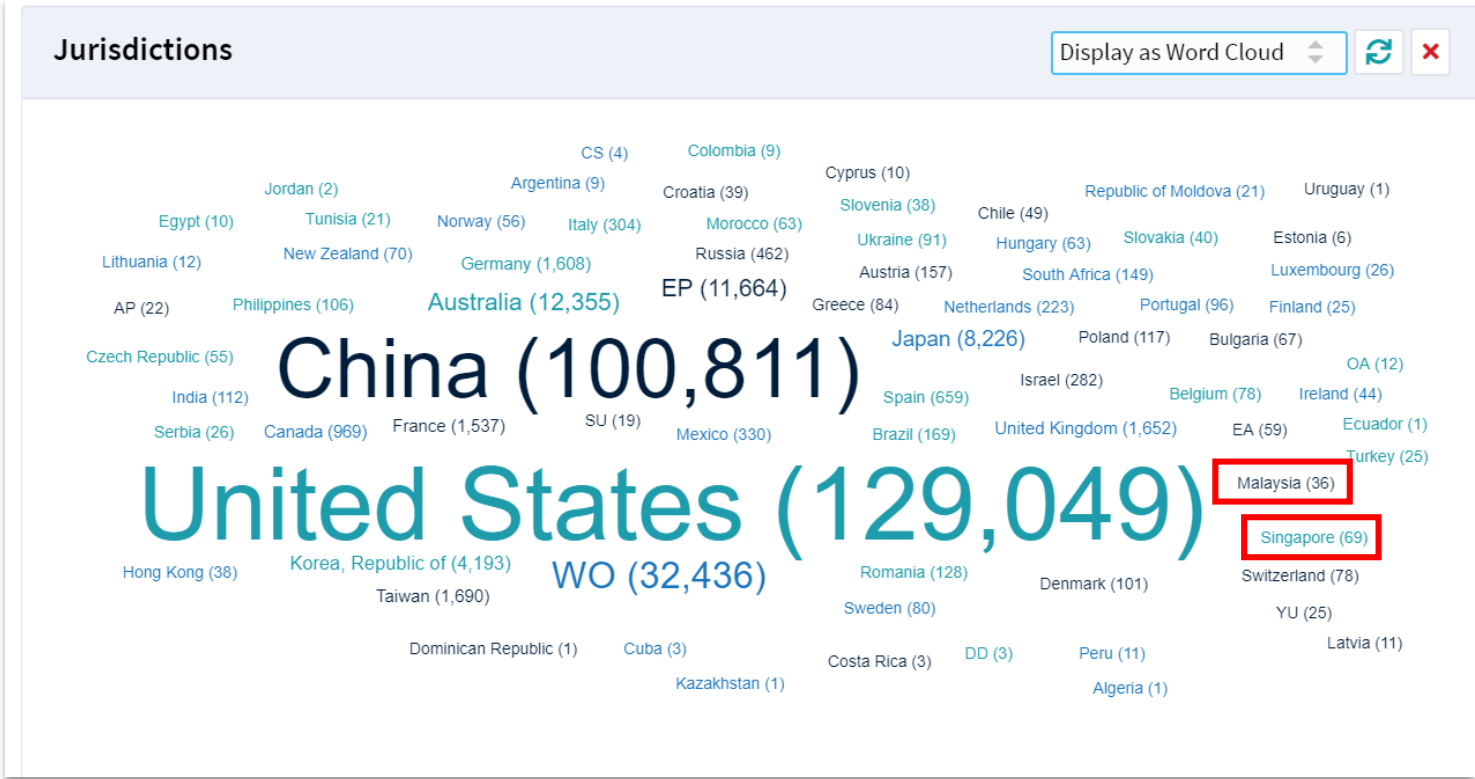
4

4	Does the list of previous patent applicants include potential <u>STAKEHOLDERS</u> for the research output? If yes, it shows that the research output is aligned with future stakeholders and has the potential to be commercialised.	Yes
5	Does the list of previous patent applicants include potential <u>COMPETITORS</u> for the research output? If yes, it shows that the research output has potential and is pursued by existing stakeholders in the sector.	Yes



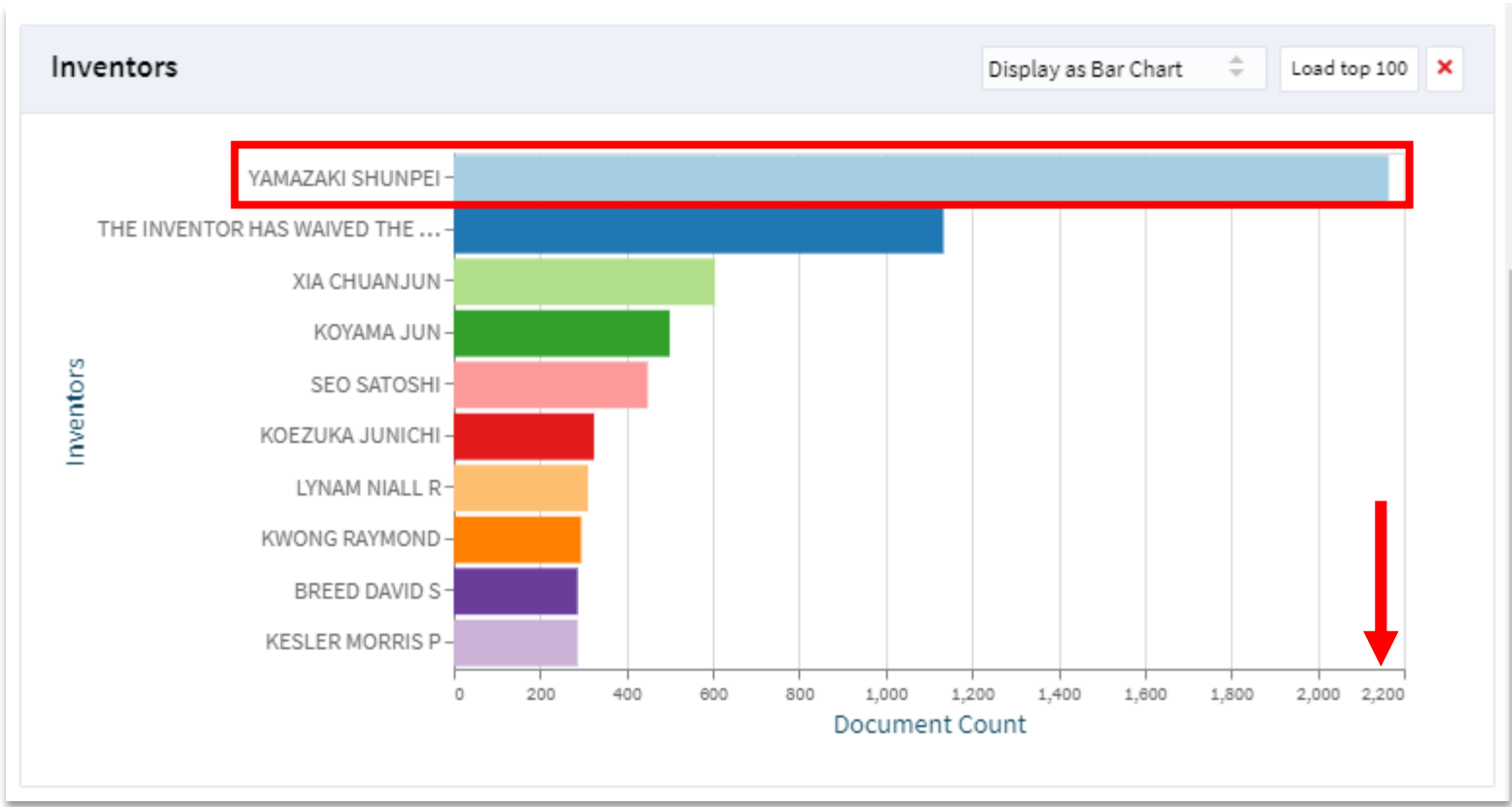
4

6	Does the patent search yield similar patents already filed in <u>Malaysia</u> ? If yes, does your research output differ from the patents already filed?	Yes. Yes, my research output substantially differs from those patents.
7	Does the patent search yield similar patents already filed in <u>Thailand, Indonesia and Singapore</u> ? If yes, does your research output differ from the patents already filed?	Yes. Yes, my research output substantially differs from those patents.



4

8	Does the inventor with the highest number of patents filed or awarded possess more than 2 patents to his/her name? If yes, it shows possible continuous pursuit of ideas associated with the research output by other interested parties.	Yes
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SIMPLIFIED PATENT SEARCH REPORT

[using Lens.org (<http://lens.org/>)]

Version 1/2020

Keywords Used	Solar panel	The Number of Patents Found using Keywords Used	311,102
		Link to the Search Result on Lens.org	https://www.lens.org/lens/search?q=solar%20panel&preview=true

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2	Has the number of patent published DECREASED for the past 10 years? If yes, it highlights a decreasing interest in sectors associated with keywords used. Decreasing interest may indicate a declining or sunset sector showing diminishing interest to protect ideas or absence of new innovation.	No
3	Does the description of the highest CPC Classification accurately represent the area of technology or innovation that the research aims to produce? If yes, it indicates correct keyword use that reflect understanding of the nature of the potential research output, its functionality, purpose and composition.	Yes
4	Does the list of previous patent applicants include potential STAKEHOLDERS for the research output? If yes, it shows that the research output is aligned with future stakeholders and has the potential to be commercialised.	Yes
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8	Does the inventor with the highest number of patents filed or awarded possess more than 2 patents to his/her name? If yes, it shows possible continuous pursuit of ideas associated with the research output by other interested parties.	Yes



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Note: The views and opinion expressed by the speaker at the discussion which do not constitute or record legal advice do not necessarily reflect the view of the firm.



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